

PUBLICATIONS *of* CONTINUING INTEREST

Featured Speakers and Topics from the Joint Mathematics Meetings

Mathematics: Frontiers and Perspectives

V. Arnold, M. Atiyah, P. Lax, and B. Mazur, Editors

You can read this book as if listening to a succession of high-powered old school friends who are passing through ... most tell you about the mathematics that animates them ... you get a good sense of what they do, what's difficult about it, and why it matters ... provocative remarks ... vigorous account of much of the Russian school of mathematics ... thought-provoking reflections about mathematical life and language ... The most pleasing feature of this handsome book is the emphasis on the unity of mathematics ... The connections many people here want to make between mathematics and physics, von Neumann algebras and knot theory, number theory and analysis, are not only fresh and vivid, but oddly coherent. They give a sense not only of mathematics undergoing one of its characteristic contractions around a few organising principles, but how productive this reorganisation can be.

—The LMS Newsletter

Obviously, simply by dint of the prestige and caliber of the authors, this volume deserves reader attention and a place on every library's shelves.

—CHOICE

Individual members of mathematical societies of the IMU member countries can purchase this volume at the AMS member price when buying directly from the AMS. 2000; ISBN 0-8218-2697-2; 459 pages; Softcover; All AMS members \$31, List \$39, Order Code MFP.SCT012; 2000; ISBN 0-8218-2070-2; 459 pages; Hardcover; All AMS members \$39, List \$49, Order Code MFPCT012

Selected Works of Ellis Kolchin with Commentary

Hyman Bass, Alexandru Buium, and Phyllis J. Cassidy, Editors

The volume also contains a nearly 130 page section of commentary, consisting of four expository articles. Taken together, these probably comprise the best introduction and survey of differential algebra currently available. The editors of this volume, and the authors of the articles in the Commentary section, are to be congratulated on not only making the publications of Ellis Kolchin readily available in a single volume format, but also for providing a set of excellent expository articles which will allow newcomers to the field to learn about the main themes in Kolchin's work in differential algebra and to see how those topics have developed mathematically up to the present day.

—Zentralblatt für Mathematik

With its relations to such varied fields as algebraic groups, transcendence, model theory, Diophantine geometry, partial differential equations and of course differential algebra itself, this book will be a welcome addition to all mathematical libraries.

—Mathematical Reviews

Collected Works, Volume 12; 1999; ISBN 0-8218-0542-8; 639 pages; Hardcover; Individual member \$72, List \$120, Institutional member \$96, Order Code CWORKS/12CT012

Starting Our Careers

A Collection of Essays and Advice on Professional Development from the Young Mathematicians' Network

Curtis D. Bennett, and Annalisa Crannell, Editors

The most salient feature of each chapter in [the book] is specific, concrete advice from mathematicians with a variety of experiences and insights ... Getting Started is a valuable resource for young mathematicians (and even more experienced ones) to explore ways of establishing and developing a niche in the mathematical community.

—MAA Online

1999; ISBN 0-8218-1543-1; 116 pages; Softcover; Individual member \$14, List \$24, Institutional member \$19, Order Code SOCCT012

Complex Algebraic Geometry

János Kollár, Editor

Members of the Mathematical Association of America (MAA) and the National Council of Teachers of Mathematics (NCTM) receive a 20% discount from list price.

IAS/Park City Mathematics Series, Volume 3; 1997; ISBN 0-8218-1145-2; 340 pages; Softcover; All AMS members \$39, List \$49, Order Code PCMS/3.SCT012

Research in Collegiate Mathematics Education. I, II and III

Alan H. Schoenfeld, Jim Kaput, and Ed Dubinsky, Editors
From a Review for Volume III ...

Offers some hope for increasing the active participation of mathematicians in investigating the nature of mathematics learning and teaching ... everyone will benefit from reading the opening article ... could evolve into an important scholarly journal where both mathematicians and mathematics educators actively seek to publish ... Future developments will be of great interest.

—Robert F. Wheeler,

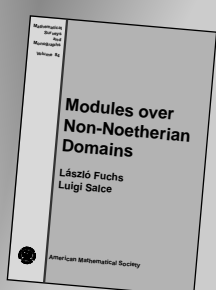
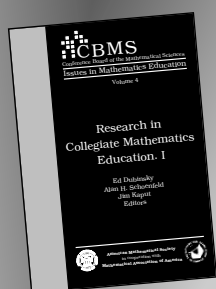
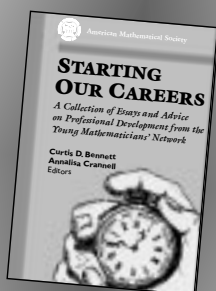
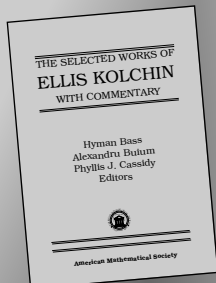
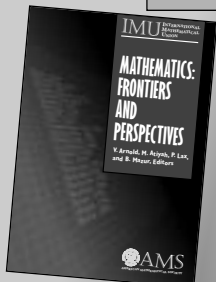
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László Fuchs, and Luigi Salce
Mathematical Surveys and Monographs, Volume 84; 2001; ISBN 0-8218-1963-1; 613 pages; Hardcover; Individual member \$65, List \$109, Institutional member \$87, Order Code SURV/84CT012



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